



**ZEP Manufacturing Company of Canada**  
Acuity Specialty Products Group, Inc.  
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## Material Safety Data Sheet

and Safe Handling and Disposal Information

### SECTION I - PRODUCT INFORMATION

Issue Date 12/09/03  
Supersedes 10/12/01  
Product Name **TILE & GROUT CLEANER**  
Product No. **1046**  
Floor Cleaner

**For MSDS Information:**  
Zep Manufacturing Company of Canada  
Technical Services: (780) 453-8100

**For Medical Emergency (24 Hour Service):**  
CANUTEC: (613) 996-6666 Call Collect

**For a Transportation Emergency (24 Hour Service):**  
CANUTEC: (613) 996-6666 Call Collect

Printing date: 20/07/04

### SECTION II - HAZARDOUS INGREDIENTS

\*\* ETHYLENE GLYCOL MONOBUTYL ETHER \*\* 2-butoxyethan\_ ol; butyl cellosolve; CAS# 111-76-2; RTECS# KJ8575000; OSHA PEL (SKIN)- 25 ppm TLV: 20; % IN PROD: 1-5  
LD50: 1746 mg/kg SPECIES: RAT ROUTE: ORL  
LC50: 700 ppm SPECIES: MOUSE ROUTE: INH

\*\* SODIUM DODECYLBENZENE SULFONATE \*\* linear alkyl aryl sodium sulfonate; CAS# 25155-30-0; TLV: Not Available; % IN PROD: 1-5  
LD50: 1260 mg/kg SPECIES: RAT ROUTE: ORL  
LC50: Not Available SPECIES: Not Available ROUTE: Not Available

\*\* TETRASODIUM ETHYLENEDIAMINE TETRAACETATE \*\* ethylenedinitrilo tetraacetic acid, tetrasodium salt; EDTA; CAS# 64-02-8; RTECS# AH5075000; OSHA PEL N/D TLV: Not Available; % IN PROD: 5-10  
LD50: 4830 mg/kg SPECIES: MUS ROUTE: ORL  
LC50: Not Available SPECIES: Not Available ROUTE: Not Available

THE WHMIS CLASSIFICATION FOR THIS PRODUCT IS: D2B

### SECTION III - TOXICOLOGICAL PROPERTIES

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under recommended conditions of use so long as prescribed safety precautions are practiced.

#### EFFECTS OF ACUTE EXPOSURE:

Product in concentrated form is a severe eye irritant. Overexposure may lead to eye tissue damage which can be permanent. Skin contact may produce irritation. Overexposure by inhalation may cause respiratory irritation. Prolonged skin contact may result in harmful quantities being absorbed through the skin.

#### EFFECTS OF CHRONIC EXPOSURE:

Repeated or prolonged skin contact may produce chronic inflammation or dermatitis, characterized by redness, scaling, or itching. Repeated eye exposure may produce chronic inflammation of the eye or corneal damage. Animal studies indicate a potential for liver, kidney, or red blood cell damage. Relevance of these studies or exposure levels which might produce these effects in humans has not been established. None of the ingredients are listed as carcinogens by IARC, NTP, or OSHA.

PRIMARY ROUTES OF ENTRY: Eyes, Skin, Inh.

### SECTION IV - FIRST AID MEASURES

SKIN: Immediately flush contaminated skin with plenty of water for at least 15 minutes. Get medical attention immediately.

EYES: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids. Get medical attention at once.

INHALE: If symptoms occur, move affected person to fresh air. If symptoms persist, get medical attention promptly.

INGEST: If this product is swallowed, do not induce vomiting. If individual is alert, give plenty of water to drink. Get medical attention at once.

### SECTION V - PHYSICAL DATA

BOILING POINT (C) : ~ 104  
FREEZING POINT (C) : Not Available  
VAPOR PRESSURE(mmHg) : Not Available  
VAPOR DENSITY(AIR-1) : Not Available  
SOLUBILITY IN WATER : COMPLETE  
APPEARANCE AND ODOR : CLEAR, RED-VIOLET LIQUID WITH STRONG, PLEASANT FRAGRANCE  
SPECIFIC GRAVITY : 1.104  
VOC CONTENT (CONCENTRATE) : 4.0% 0.044 Kg/L  
EVAPORATION RATE ( WATER =1) : 1.0  
pH(CONCENTRATE) : 12.8-13.5  
pH(USE DILUTION OF 1% SOLUTION ) : 10.5-11.0

### SECTION VI - PREVENTATIVE MEASURES

**SPECIAL PROTECTION INFORMATION:**

**PROTECTIVE CLOTHING:** Wear neoprene, nitrile, or natural rubber gloves or gloves with proven resistance to the ingredients listed.

**EYE PROTECTION:** Wear splash-proof safety goggles especially if contact lenses are worn.

**RESPIRATORY PROTECTION:** Keep face away from spray mist and do not breathe vapors.

**VENTILATION:** Ventilation should be equivalent to outdoors. Use exhaust fans and open windows in enclosed spaces.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Observe safety precautions in Section 6 during clean-up. Absorb spill on inert absorbent material (e.g. Zep-O-Zorb). Pick up and place residue in a suitable waste container. Wash area thoroughly with a detergent solution.

**WASTE DISPOSAL METHOD:**

Unusable material should be properly drummed. Consult local, provincial, and federal agencies for proper methods of disposal. Do not contaminate water supply when disposing of wastes or containers.

**PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING:**

Store tightly-closed container in a dry area at temps. between 4-49 degrees C. Store away from strong acids and oxidizing compounds. Keep product away from skin and eyes. Do not breathe spray mists or vapors. Clothing or shoes which become contaminated with substance should be removed promptly and not reworn until thoroughly cleaned. Keep out of the reach of children

**TRANSPORTATION DATA**

TDG I.D. NUMBER: Not Available

TDG PROPER SHIPPING NAME: TDG, NON-REGULATED

TDG HAZARD CLASS: Not Available

TDG PACKAGING GROUP: Not Available

TDG LABEL/PLACARD: Not Available

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**SECTION VII - FIRE AND EXPLOSION HAZARDS**

FLASH POINT(C) (METHOD USED): None TCC

FLAMMABLE LIMITS : LOWER: Not Available UPPER: Not Available

CONDITIONS OF FLAMMABILITY: Strong acids and oxidizing agents.

AUTOIGNITION TEMPERATURE (C) : Not Available

MEANS OF EXTINCTION: Non-combustible

FIRE FIGHTING: None

FIRE HAZARD: None

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, and other unidentified organic compounds.

EXPLOSION DATA: Not Available

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**SECTION VIII - REACTIVITY DATA**

STABILITY: Stable

INCOMPATIBILITY(AVOID): Strong acids and oxidizing agents.

REACTIVITY: Will not occur.

HAZARDOUS DECOMPOSITION: Carbon dioxide, carbon monoxide, and other unidentified organic compounds.

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**SECTION IX - PREPARATION INFORMATION**

Prepared By: Zep Technical Services, Zep Manufacturing Company of Canada, Edmonton, Alberta

For MSDS Information, telephone: (780) 453-8100

Date of Preparation : 12/09/03